

ABSTRACT OF THE DISCLOSURE

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A method (and system) for quantifying a three-dimensional model of interference in a cellular wireless communication network. The model is derived from the acquisition and analysis of composite signals as part of a survey of ground-level locations and above-ground-level locations within the intended coverage zone of the cellular wireless communication network. Reliable identification and correlation of signal components are derived by analysis of the acquired composite signals that uses time-of-arrival of a known part of a signal (e.g., the FCCH burst used in GSM for frequency correction).